BILL NO. S-91-02-29

SPECIAL ORDINANCE NO. S-57-91

AN ORDINANCE approving the awarding of Reference #1552 by the City of Fort Wayne, Indiana, by and through its Department of Purchasing and **MOTOROLA C&E, INC. AND PARKERSON ELECTRONICS INC.** for the Communications Department.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA;

SECTION 1. That Reference #1552 between the City of Fort Wayne, by and through its Department of Purchasing and **MOTOROLA C&E, INC. AND PARKERSON ELECTRONICS INC.** for the Communications Department, respectfully for:

> **the 1991 purchase of portable radios for the City of Fort Wayne through the Communications Department;**

involving a total cost of Ninety-Seven Thousand and no/100+/- Dollars ($97,000.00+/-) - (MOTOROLA- $72,000.00+/-; PARKERSON - $25,000.00+/), all as more particularly set forth in said Reference #1552 which is on file in the Office of the Department of Purchasing, and is by reference incorporated herein, made a part hereof, and is hereby in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.

Councilmember

APPROVED AS TO FORM
AND LEGALITY

J. Timothy McCaulay, City Attorney

REF. NO.:	1552
DEPT.:	COMMUNICATIONS DEPT
DATE:	2/19/91
ITEM/SERV.:	PORTABLE RADIOS

PURCHASING INFORMATION

ADVERTISED BID:	YES
DATES ADVERTISED:	1/11/91 & 1/18/91
OPENING DATE:	2/7/91
WRITTEN QUOTE:	
DUE DATE:	
VERBAL QUOTE:	
SINGLE SOURCE:	
NO. OF VENDORS NOTIFIED:	19
NO. OF VENDORS RECEIVING BID:	8
NO. OF VENDORS RETURNING BID:	4
NO. OF VENDORS DISQUALIFIED:	0
NO. OF VENDORS NOT RESPONDING:	15
DATE SENT TO DEPT FOR RECOMM.:	2/7/91
DATE RECOMMENDATION REC'D IN PURCH:	2/19/91
COUNCIL INFORMATION	DATES SENT EXTENSION DATES
DATE INFO SENT TO LAW DEPT.:	2/19/91
INTRODUCTION DATE:	2/26/91
DISCUSSION DATE:	3/5/91
PASSAGE DATE:	3/12/91
ORDINANCE NO.:	

BID # 1552
PORTABLE RADIOS

---------- 16 CHANNEL VHF PORTABLE ----------

VENDOR	MOTOROLA C & E	J & K COMM.	PARKERSON ELECT.	MIDLAND MOBILE
16 CHANNEL VHF	$813.00 MT-1000	$806.60 XTR	$669.00 KING	no bid
SPEAKER/MIC	$56.00	$71.10	$48.00	no bid
SPARE BATTERY	$68.00	$63.00	$55.00	no bid
SPARE BATTERY (QUANITY)	$44.00 25 +	$56.00 10 +	$45.00 ?	no bid
LEATHER CASE	$40.00	$48.60	$43.60	no bid
BELT LOOP CASE	$45.00	$39.60	$46.50	no bid
16 HOUR CHARGER	$21.00	$76.50	$24.00	no bid
1 OR 3 HOUR CHARGER	$80.00	$76.50	$56.00	no bid
RACK CHARGER (# OF SLOTS)	$473.00 6	$299.95 4	$237.00 5	no bid
CHARGER ONLY - CAR	$165.00	$81.00	$52.00	no bid
CHARGE PACK ADAPTOR	$322.00	N/A	$187.20	no bid
ID & EMERGENCY	$146.00	$362.00	$205.00	no bid
PROGRAMMING	$585.00	$185.00	$80.00	no bid
** OPTIONS *				
ADDITIONAL CHANNELS (# OF CHANNELS)	$151.00 99	$96.20 99	($64.00) 14	no bid
SPKR/MIC W/ ANT.	N/A	N/A	N/A	no bid

BID # 1552

VENDOR	MOTOROLA C & E	J & K COMM.	PARKERSON ELECT.	MIDLAND MOBILE
6 CHANNEL VHF PORTABLE				
6 CHANNEL VHF	$550.00 HT-600	$466.46 MIDLAND	$480.00 RADIUS	no bid
SPEAKER/MIC	$56.00	$49.50	$64.00	no bid
SPARE BATTERY	$65.00	$44.10	$59.00	no bid
LEATHER CASE	$40.00	$42.30	$45.00	no bid
BELT LOOP CASE	$45.00	$31.50	$15.00	no bid
16 HOUR CHARGER	$21.00	$67.50	$20.00	no bid
1 OR 3 HOUR CHARGER	$80.00	$67.50	$55.00	no bid
RACK CHARGER (# OF SLOTS)	$473.00 6	$355.00 4	$420.00 6	no bid
CHARGER ONLY - CAR	$165.00	$76.50	$65.00	no bid
CHARGE PACK ADAPTOR	$322.00	N/A	$459.00	no bid
PROGRAMMING	$585.00	$185.00	$293.00	no bid
6 CHANNEL UHF PORTABLE				
6 CHANNEL UHF	$619.00 HT-600	$476.56 MIDLAND	$580.00 RADIUS	no bid
SPEAKER/MIC	$56.00	$49.50	$64.00	no bid
SPARE BATTERY	$65.00	$44.10	$59.00	no bid
LEATHER CASE	$40.00	$42.30	$45.00	no bid
BELT LOOP CASE	$45.00	$31.50	$15.00	no bid
16 HOUR CHARGER	$21.00	$67.50	$20.00	no bid
1 OR 3 HOUR CHARGER	$80.00	$67.50	$55.00	no bid
RACK CHARGER (# OF SLOTS)	$473.00 6	$355.50 4	$420.00 6	no bid
CHARGER ONLY - CAR	$165.00	$76.50	$65.00	no bid
CHARGE PACK ADAPTOR	$322.00	N/A	$459.00	no bid
PROGRAMMING	$585.00	$185.00	$293.00	no bid
DTMF ENCODER	$85.00	$82.00	$95.00	no bid

FRONT PAGE/INVITATION TO BID
DEPARTMENT OF PURCHASING
CITY OF FORT WAYNE, ALLEN COUNTY, INDIANA
ONE MAIN STREET - ROOM 350
PHONE 219-427-1101

BID OPENING DATE 2-7-91 @ 11:00 AM BID REFERENCE # 1552

SEALED BIDS SHOULD BE DELIVERED TO DEPARTMENT OF PURCHASING, ROOM 350, CITY-COUNTY BUILDING UP TO 11:00 A.M. ON OR BEFORE OPENING DATE.

SEALED BIDS WILL BE OPENED PUBLICLY AT 11:01 A.M. IN THE BOARD OF WORKS & SAFETY CONFERENCE ROOM ON THE THIRD FLOOR OF THE CITY-COUNTY BUILDING. "NO LATE BIDS WILL BE ACCEPTED AFTER 11:00 A.M. FOR ANY REASON WHATSOEVER".

THIS INVITATION FOR BID IS FOR NINETY (90) +/- PORTABLE RADIOS PER SPECIFICATIONS

AND REQUESTED BY COMMUNICATIONS DEPT

THIS BID REQUIRES A XXXX $500.00 BID BOND, CERTIFIED OR CASHIER'S CHECK OF ALL BIDDERS.

THIS BID REQUIRES A _____ 100% PERFORMANCE BOND OF SUCCESSFUL BIDDER(S).

PROMPT PAYMENT DISCOUNTS WILL BE ALLOWED AS FOLLOWS: _____% IF PAID WITHIN _____ DAYS.

THIS INVITATION IS ISSUED TO ESTABLISH A CONTRACT TO SUPPLY THE CITY OF FORT WAYNE WITH A COMMODITY OR SERVICE IN ACCORDANCE WITH ACCOMPANYING SPECIFICATIONS.

THE EXECUTION HEREOF BY THE BIDDER IS ACCEPTANCE OF ALL TERMS AND CONDITIONS HEREIN AND IN THAT REGARD THE BIDDER AGREES TO BE BOUND BY SAME AND BE BOUND TO THE AMOUNT OF HIS/HER BID FOR A PERIOD OF NINETY (90) DAYS.

FIRM NAME MOTOROLA C&E, INC.

STREET ADDRESS PO Box 40011, 4109 WINTERFIELD

CITY FORT WAYNE PHONE # 436-3338

BY Samuel W. Elston
REPRESENTATIVE SIGNATURE

MOTOROLA
Communications and Electronics Inc.

Address Reply to:
P.O. Box 40011
Fort Wayne, IN 46804
(219) 436-3338

2-7-91

City of Fort Wayne
Room B-24, City-County Bldg.
Fort Wayne, IN 46802

Attn: Chief Randy Raypole, Communications

Dear Sir,

Herewith please find this year's pricing on the HT600 and the MT1000 with which you are familiar. Note that this year we have included pricing on a new offering, the 8-channel MT1000 in, both, VHF and UHF.

That unit accomodates all standard MT1000 accessories.

Specifications for all units are in the enclosures.

Please note taht the 8-channel MT1000 with some accessories was bid for the Indiana State contract. We will honor whichever is the lowest accepted bid. At this time no action has been taken by the State.

Thank you for your consideration of this bid presentation.

Sincerely,

Samuel W. Edson
Government Markets Div.

Prescribed by the State Board of Accounts

Form No. 95 (Revised 1987)

BID, OFFER OR PROPOSAL FOR SALE OR LEASE OF MATERIALS

(Defined at I.C. 36-1-2-9.3)
(Please type or print)

Date: 2-7-91

1. Governmental Unit: CITY OF FORT WAYNE
2. County: ALLEN
3. Bidder (Firm): MOTOROLA C&E, INC.
   Address: PO BOX 40011
   City/State: FORT WAYNE, IN 46804
4. Telephone Number: 436-3338
5. Agent of Bidder (if applicable): _____

Pursuant to notices given, the undersigned offers bid(s) to CITY OF FT. WAYNE (Governmental Unit) in accordance with the following attachment(s) which specify the class or item number or description, quantity, unit, unit price and total amount.

The contract will be awarded by classes or items, in accordance with specifications. Any changes or alterations in the items specified will render such bid void as to that class or item. Bidder promises that he has not offered nor received a less price than the price stated in his bid for the materials included in said bid. Bidder further agrees that he will not withdraw his bid from the office in which it is filed. A certified check or bond shall be filed with each bid if required, and liability for breach shall be enforceable upon the contract, the bond or certified check or both as the case may be.

X _____
Signature of Bidder or Agent

BID OFFER OR PROPOSAL

Attach separate sheet listing each item bid based on specifications published by governing body. Following is an example of the bid format:

Class or Item	Quantity	Unit	Description	Unit Price	Amount

SEE ATTACHED

NON-COLLUSION AFFIDAVIT

STATE OF INDIANA)
ALLEN) SS:
COUNTY)

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale.

MOTOROLA C&E, INC.
Bidder (Firm)

X _____
Signature of Bidder or Agent

Subscribed and sworn to before me this 24 day of January, 19 91.

My Commission Expires: 4-2-94

County of Residence: allen

Gaylon K. Troutner
Notary Public

Gaylon K. Troutner
Notary Public Printed Name

ACCEPTANCE

There now being sufficient unobligated appropriated funds available, the contracting authority of _____ (Governmental Unit) hereby accepts the terms of the attached bid for classes or items numbered _____ and promises to pay the undersigned bidder upon delivery the price quoted for the materials stipulated in said bid.

Date: _____

Contracting Authority Members:

_____ _____
_____ _____
_____ _____

RADIO AND OPTIONS COSTS

16 CHANNEL VHF PORTABLE RADIO:

Radio with battery, antenna, programmed	MT1000	$813
Speaker/Microphone with coiled cord & clip back		56
Spare battery (ea)		68
Spare battery (quanity)	10-24 units: $50@/25+ units: $44@	
Carrying case (leather - belt loop)		40
Carrying case (other - belt loop)	Belt Clip	12
16 hour desktop charger	Compact	21
1 or 3 hour desktop charger	1 Hour	80
Multiple unit charger		473
Vehicular charger (no audio or RF)		165
Vehicular charge pack (with 12 watt rx audio, palm microphone and rf & antenna connection)		322 Basic MVA 371 Enhanced MVA
ID & Emergency signalling	MDC600 or GE-Star	146
Programming software (5 1/4" disk)		180
Programming interface (PC-XT compatible)	RIB+Power Supply+Cable	405

Currently in City inventory

Other and optional accessories:

Additional channel capabilities cost	99-Channel Version:	151 additional
Speaker/Microphone with antenna	(UHF only)	91
8-Channel MT1000 with battery, antenna, programmed		593
Full-size 16-Hour charger		52
Belt-clip carrying holder		16
Button-back kit + belt loop		19
Swivel Leather Case		$ 45

For a 3-Year warranty, add $88. For a 2-Year warranty, add $55. Standard warranty is enclosed. Note that batteries are warrantied for 18 months.

Speaker/Mic thumbscrew	$ 3
Tall Knobs	$ 2

RADIO AND OPTIONS COSTS

6 CHANNEL VHF PORTABLE RADIO:

Radio with battery, antenna, programmed	HT600	$550
Speaker/Microphone with coiled cord & clip back		
Spare battery (10-24 units: $47@ & 25+ units: $42@)		65
Carrying case (leather - belt loop)		
Carrying case (other - belt loop)		
16 hour desktop charger		
1 or 3 hour desktop charger		
Multiple unit charger		
Vehicular charger (no audio or RF)		
Vehicular charge pack (with 5 watt rx audio, palm microphone and rf & antenna connection)		
Programming software (5 1/4" disk)		
Programming interface (PC-XT compatible)		

(All blanks above use MT1000 accessory pricing.

Other and optional accessories:

Additional channel capabilities cost	for 2-channel, deduct:	$65
Full-size 16-Hr. charger		$52
Belt-clip carrying holder		16
Button-back kit + belt loop		19
Swivel Leather Case		45
Cloning Cable		$43
For a 3-Year Warranty, add $78.50		

For a 2-Year Warranty, add $49. (Note that batteries maintain an 18-month warranty.)

Note that all accessory pricing is identical to that on Page 7.

Page 6 MT1000 pricing valid where applicable.

RADIO AND OPTIONS COSTS

6 CHANNEL UHF PORTABLE RADIO:

Radio with battery, antenna, programmed	HT600 $619
Speaker/Microphone with coiled cord & clip back ...	
Spare battery .(10-24 units: $47@ & 25+ units: $42@).....	65
Carrying case (leather - belt loop)	
Carrying case (other - belt loop)	
16 hour desktop charger	
1 or 3 hour desktop charger	
Multiple unit charger	
Vehicular charger (no audio or RF)	
Vehicular charge pack (with 5 watt rx audio, palm microphone and rf & antenna connection)	
Programming software (5 1/4" disk)	
Programming interface (PC-XT compatible)	

(All blanks above use MT1000 pricing.)(See Page 6)

Other and optional accessories:

Additional channel capabilities cost	(For 2-channel, deduct $65)
DTMF encoder	$85
8-Channel MT1000 with battery, antenna, programmed (UHF)	$663
(See Page 6 for MT1000 accessory pricing.)	
.....	
.....	
.....	

SAFECO®

SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
FIRST NATIONAL INSURANCE COMPANY OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

Bond 5133468-4288

BID BOND

Conforms with The American Institute of Architects, A.I.A. Document No. A-310

KNOW ALL BY THESE PRESENTS, That we, MOTORola COMMUNICATIONS & ELECTRONICS, INC.

1301 E. Algonquin Road, Schaumburg, IL 60172

as Principal, hereinafter called the Principal, and the SAFECO INSURANCE COMPANY OF AMERICA, of Seattle, Washington, a corporation duly organized under the laws of the State of Washington, as Surety, hereinafter called the Surety, are held and firmly bound unto

City of Ft. Wayne, Indiana as Obligee, hereinafter called the Obligee,

in the sum of five hundred dollars

Dollars ($ 500.00), for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for provide portable radios

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 18th day of January, 19 91.

Witness

MOTOROLA COMMUNICATIONS & ELECTRONICS, INC. (Seal)
Principal

Vice President
Title

Witness

SAFECO INSURANCE COMPANY OF AMERICA

By
Attorney-in-Fact

® Registered trademark of SAFECO Corporation.
PRINTED IN U.S.A.

SAFECO

POWER OF ATTORNEY

SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

No. 6890

KNOW ALL BY THESE PRESENTS:

That **SAFECO INSURANCE COMPANY OF AMERICA** and **GENERAL INSURANCE COMPANY OF AMERICA**, each a Washington corporation, does each hereby appoint

----------HELEN M. LASSITER----------

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and **GENERAL INSURANCE COMPANY OF AMERICA** have each executed and attested these presents

this 11th day of January, 19 84.

BOH A. DICKEY, SECRETARY

J. N. CANNON, PRESIDENT

CERTIFICATE

Extract from the By-Laws of **SAFECO INSURANCE COMPANY OF AMERICA** and of **GENERAL INSURANCE COMPANY OF AMERICA:**

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of **SAFECO INSURANCE COMPANY OF AMERICA** and of **GENERAL INSURANCE COMPANY OF AMERICA** adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

(i) The provisions of Article V, Section 13 of the By-Laws, and

(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and

(iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, Boh A. Dickey, Secretary of **SAFECO INSURANCE COMPANY OF AMERICA** and of **GENERAL INSURANCE COMPANY OF AMERICA**, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 18th day of January, 19 91.

CITY OF FORT WAYNE, INDIANA

The portable radios requested in this bid will be used by the Police, Fire, and other City Departments. This request for bids will be divided into radios that have greater than 6 channels primarily for use in the Public Safety Departments and those with 6 channels for use by other Departments where it would be more cost effective. There will be an initial purchase of approximately 45 VHF (16 channel radios) portables for Police Department. After that initial purchase, purchases will be for smaller amounts during the year.

GENERAL SPECIFICATIONS COMMON TO ALL RADIOS:

1. The radios are to be synthesized and field programable. Programming shall include transmit and receive frequencies, tone squelch code (CTCSS) and ID/Emergency where applicable. Programming shall be done with an IBM compatible computer.

2. The radios shall meet the following specifications in the appropriate areas:

Mil Spec 810C	Mil Spec 810D
Low pressure 500.1	Low pressure 500.2
High temperature 501.1	High temperature 501.2
Low temperature 502.1	Low temperature 502.2
Temp shock 503.1	Temp shock 503.2
Solar radiation 505.1	Solar radiation 505.2
Rain 506.1	Rain 506.2
Humidity 507.1	Humidity 507.2
Salt fog 509.1	Salt fog 509.2
Dust 510.1	Dust 510.1
Vibration 514.2	Vibration 514.3
Shock 516.2	Shock 516.3

3. The radio with recommended battery but not including antenna shall not be exceed the following dimensions:

Height	7.77 "	7.26
Depth	1.50 "	1.59
Width	2.72 "	2.71
	31.416	30.298

4. Total weight of the radio and recommended battery shall not exceed 25 oz. Carrying cases, speaker/microphones do not count in this weight.

24.1

5. Volume and frequency controls will be mechanical rotary knobs. The squelch control may either be a knob for external adjustment or fixed internally with a pushbutton on the radio to open the squelch. The CTCSS and Emergency function will be a button or switch. Power switch may either be a part of the volume control or a separate switch. An indicator (either LCD or LED) will be visible to indicate a relative condition of the battery during transmit.

6. The radios will have capability of an external speaker/mic. It must be designed that the speaker/mic can remain on the radio when it is placed into the charger (vehicular or AC power).

7. Where applicable, the ID/Emergency shall be compatible with the existing GE-STAR and Motorola MDC-600 format presently in use by the City. The emergency switch on the portable shall be a single switch that can activate the emergency function without any additional switch activations. The emergency alert shall be sent a minimum of 5 times. The ID shall be sent at the initiation of a transmission. The ID/Emergency shall be programable to either format and activation on a per channel basis. Automatic channel reverting under an emergency activation must be availble in the programming structure.

8. Batteries for the radio shall be a slide or twist type of connection to the body of the radio. An enclosed battery within the radio is not acceptable. Batteries will be charged either on the radio or as a separate unit and will set or drop into a charger for recharging. Batteries will be capable of being recharged at a standard (16 hour) or rapid rate (1 or 3 hour).

9. The battery supplied with each radio will be designed to run the radio a 5-5-90 duty cycle over an 8 hour period.

10. There shall be a minimum of the following chargers available for these radios:

    Single unit 16 hour desktop charger
    Single unit rapid 1 or 3 hour desktop charger
    Multiple unit (5 or greater) rapid desktop charger
    Vehicular charger (without RF or Audio)

11. Radio shall be constructed in a manner to allow normal usage by Police, Fire, Animal Control and emergency response personnel in their job performance. This may subject the radio to abuse, moisture, rain, heat, extreme cold, etc. and shall continue to operate normally. Physical layout of the radio shall be designed to allow normal operation with gloves, etc.

12. The radios must meet all applicable FCC regulations at the time of bid and delivery.

13. If a radio that is submitted for bid deviates from the below listed specifications, it must be stated with the bid when submitted.

14. If requested, a technical manual and radio must be available at no cost for inspection by the Chief Technician of the Ft. Wayne Communications Department. The radio should be similar to the model that is bid.

15. Delivery will be within 3 weeks of receipt of a purchase order. Delivery will be FOB destination.

16. Warranty must be at least 90 days for labor and 1 year for parts. Local (City of Fort Wayne) service must be available for warranty work.

17. Replacement parts are to be available for at least 15 years.

18. Each shipment of radios shall include a printed manual for each 15 radios received.

19. The unit bid must be FCC approved and a current model presently in production.

16 CHANNEL VHF RADIO TECHNICAL SPECIFICATIONS:

1. The following minimum specifications must be met:

RECEIVER:

A. Frequency range is 146-162 mhz

B. 12 db SINAD is .35 uv
C. 20 db quieting is .4
D. EIA 2 signal selectivity is -70 db
E. EIA intermodulation is -70 db
F. Image & Spurious rejection is -70 db
G. Minimum audio output of 500 mw @ less than 5% distortion.
H. Specifications shall be maintained over 16 mhz

TRANSMITTER:

A. Frequency range is 146 - 162 mhz
B. Minimum RF output power is 5 watts
C. Conducted spurious & harmonic no greater than -60 db
D. FM noise no greater than -45 db
E. Distortion not greater than 5% 3%
F. Specifications shall be maintained over 16 mhz

2. The radio shall have a minimum of 16 channels available for programming of radio frequency pairs.

3. ID & Emergency shall be an option on this radio and be compatible with the existing decoders presently in operation in the Ft. Wayne Communication Dept.

6 CHANNEL VHF RADIO TECHNICAL SPECIFICATIONS:

1. The following minimum specifications must be met:

RECEIVER:

A. Frequency range is 146-162 mhz
B. 12 db sinad is .25 uv
C. 20 db quieting is .35 uv
D. EIA 2 signal selectivity is -70 db
E. EIA intermodulation is -70 db
F. Spurious rejection is -70 db
G. Image rejection is -65 db
H. Minimum audio output of 500 mw @ less than 5% distortion.
I. Specifications shall be maintained over 6 mhz

TRANSMITTER:

A. Frequency range is 146 - 162 mhz
B. Minimum RF output power is 5 watts

C. Conducted spurious & harmonic no greater than -60 db
D. FM noise no greater than -45 db
E. Distortion not greater than 5%
F. Specifications shall be maintained over 6 mhz

2. The radio shall have 6 channels available for programming of radio frequency pairs.

6 CHANNEL UHF TECHNICAL SPECIFICATIONS:

1. The following minimum specifications must be met:

RECEIVER:

A. Frequency range is 438 - 470 mhz
B. 12 db sinad is .35 uv
C. 20 db quieting is .50 uv
D. EIA 2 signal selectivity is -70 db
E. EIA intermodulation is -68 db
F. Spurious rejection is -70 db
G. Image rejection is -65 db
H Minimum audio output of 500 mw @ less than 5% distortion.
I. Specifications shall be maintained over 8 mhz

TRANSMITTER:

A. Frequency range is 438 - 470 mhz
B. Minimum RF output power is 4 watts
C. Conducted spurious & harmonic no greater than -53 db
D. FM noise no greater than -45 db
E. Distortion not greater than 5%
F. Specifications shall be maintained over 8 mhz

2. The radio shall have 6 channels available for programming of radio frequency pairs.

FRONT PAGE/INVITATION TO BID
DEPARTMENT OF PURCHASING
CITY OF FORT WAYNE, ALLEN COUNTY, INDIANA
ONE MAIN STREET - ROOM 350
PHONE 219-427-1101

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SEALED BIDS SHOULD BE DELIVERED TO DEPARTMENT OF PURCHASING, ROOM 350, CITY-COUNTY BUILDING UP TO 11:00 A.M. ON OR BEFORE OPENING DATE.

SEALED BIDS WILL BE OPENED PUBLICLY AT 11:01 A.M. IN THE BOARD OF WORKS & SAFETY CONFERENCE ROOM ON THE THIRD FLOOR OF THE CITY-COUNTY BUILDING. "NO LATE BIDS WILL BE ACCEPTED AFTER 11:00 A.M. FOR ANY REASON WHATSOEVER".

THIS INVITATION FOR BID IS FOR NINETY (90) +/- PORTABLE RADIOS PER SPECIFICATIONS

AND REQUESTED BY COMMUNICATIONS DEPT

THIS BID REQUIRES A XXXX $500.00 BID BOND, CERTIFIED OR CASHIER'S CHECK OF ALL BIDDERS.

THIS BID REQUIRES A _____ 100% PERFORMANCE BOND OF SUCCESSFUL BIDDER(S).

PROMPT PAYMENT DISCOUNTS WILL BE ALLOWED AS FOLLOWS: _____% IF PAID WITHIN _____ DAYS.

THIS INVITATION IS ISSUED TO ESTABLISH A CONTRACT TO SUPPLY THE CITY OF FORT WAYNE WITH A COMMODITY OR SERVICE IN ACCORDANCE WITH ACCOMPANYING SPECIFICATIONS.

THE EXECUTION HEREOF BY THE BIDDER IS ACCEPTANCE OF ALL TERMS AND CONDITIONS HEREIN AND IN THAT REGARD THE BIDDER AGREES TO BE BOUND BY SAME AND BE BOUND TO THE AMOUNT OF HIS/HER BID FOR A PERIOD OF NINETY (90) DAYS.

FIRM NAME Parkerson Electronics Inc.

STREET ADDRESS 2627 McDonald St.

CITY Fort Wayne PHONE # 424-7366

BY Gary Parker
REPRESENTATIVE SIGNATURE

Prescribed by the State Board of Accounts

Form No. 95 (Revised 1987)

BID, OFFER OR PROPOSAL FOR SALE OR LEASE OF MATERIALS

(Defined at I.C. 36-1-2-9.3)
(Please type or print)

Date: 2-7-91

1. Governmental Unit: City of Ft. Wayne
2. County: Allen
3. Bidder (Firm): PARKERSON ELECTRONICS, INC.
   Address: 2627 McDonald
   City/State: Fort Wayne, IN 46803
4. Telephone Number: (219) 424-7366
5. Agent of Bidder (if applicable): _____

Pursuant to notices given, the undersigned offers bid(s) to City of Ft. Wayne (Governmental Unit) in accordance with the following attachment(s) which specify the class or item number or description, quantity, unit, unit price and total amount.

The contract will be awarded by classes or items, in accordance with specifications. Any changes or alterations in the items specified will render such bid void as to that class or item. Bidder promises that he has not offered nor received a less price than the price stated in his bid for the materials included in said bid. Bidder further agrees that he will not withdraw his bid from the office in which it is filed. A certified check or bond shall be filed with each bid if required, and liability for breach shall be enforceable upon the contract, the bond or certified check or both as the case may be.

N Parkerson Pres.
Signature of Bidder or Agent

BID OFFER OR PROPOSAL

Attach separate sheet listing each item bid based on specifications published by governing body. Following is an example of the bid format:

Class or Item	Quantity	Unit	Description	Unit Price	Amount

NON-COLLUSION AFFIDAVIT

STATE OF INDIANA)
) SS:
Allen COUNTY)

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale.

Parkerson Electronics
Bidder (Firm)

N Parkerson Pres
Signature of Bidder or Agent

Subscribed and sworn to before me this 6th day of FEB., 19 91.

My Commission Expires: 10-06-93

County of Residence: ALLEN

Carole T. Elder
Notary Public

Carole T. Elder
Notary Public Printed Name

ACCEPTANCE

There now being sufficient unobligated appropriated funds available, the contracting authority of _____ (Governmental Unit) hereby accepts the terms of the attached bid for classes or items numbered _____ and promises to pay the undersigned bidder upon delivery the price quoted for the materials stipulated in said bid.

Date: _____

Contracting Authority Members:

_____ _____
_____ _____
_____ _____

CITY OF FORT WAYNE, INDIANA

The portable radios requested in this bid will be used by the Police, Fire, and other City Departments. This request for bids will be divided into radios that have greater than 6 channels primarily for use in the Public Safety Departments and those with 6 channels for use by other Departments where it would be more cost effective. There will be an initial purchase of approximately 45 VHF (16 channel radios) portables for Police Department. After that initial purchase, purchases will be for smaller amounts during the year.

GENERAL SPECIFICATIONS COMMON TO ALL RADIOS:

1. The radios are to be synthesized and field programable. Programming shall include transmit and receive frequencies, tone squelch code (CTCSS) and ID/Emergency where applicable. Programming shall be done with an IBM compatible computer.

2. The radios shall meet the following specifications in the appropriate areas:

Mil Spec 810C	Mil Spec 810D
Low pressure 500.1	Low pressure 500.2
High temperature 501.1	High temperature 501.2
Low temperature 502.1	Low temperature 502.2
Temp shock 503.1	Temp shock 503.2
Solar radiation 505.1	Solar radiation 505.2
Rain 506.1	Rain 506.2
Humidity 507.1	Humidity 507.2
Salt fog 509.1	Salt fog 509.2
Dust 510.1	Dust 510.1
Vibration 514.2	Vibration 514.3
Shock 516.2	Shock 516.3

3. The radio with recommended battery but not including antenna shall not be exceed the following dimensions:

Height : 7.77 " 7.8
Depth : 1.50 "
Width : 2.72 " 2.55

4. Total weight of the radio and recommended battery shall not exceed 25 oz. Carrying cases, speaker/microphones do not count in this weight.

21 oz

5. Volume and frequency controls will be mechanical rotary knobs. The squelch control may either be a knob for external adjustment or fixed internally with a pushbutton on the radio to open the squelch. The CTCSS and Emergency function will be a button or switch. Power switch may either be a part of the volume control or a separate switch. An indicator (either LCD or LED) will be visible to indicate a relative condition of the battery during transmit.

6. The radios will have capability of an external speaker/mic. It must be designed that the speaker/mic can remain on the radio when it is placed into the charger (vehicular or AC power).

7. Where applicable, the ID/Emergency shall be compatible with the existing GE-STAR and Motorola MDC-600 format presently in use by the City. The emergency switch on the portable shall be a single switch that can activate the emergency function without any additional switch activations. The emergency alert shall be sent a minimum of 5 times. The ID shall be sent at the initiation of a transmission. The ID/Emergency shall be programable to either format and activation on a per channel basis. Automatic channel reverting under an emergency activation must be availble in the programming structure.

8. Batteries for the radio shall be a slide or twist type of connection to the body of the radio. An enclosed battery within the radio is not acceptable. Batteries will be charged either on the radio or as a separate unit and will set or drop into a charger for recharging. Batteries will be capable of being recharged at a standard (16 hour) or rapid rate (1 or 3 hour).

9. The battery supplied with each radio will be designed to run the radio a 5-5-90 duty cycle over an 8 hour period.

10. There shall be a minimum of the following chargers available for these radios:

    Single unit 16 hour desktop charger
    Single unit rapid 1 or 3 hour desktop charger
    Multiple unit (5 or greater) rapid desktop charger
    Vehicular charger (without RF or Audio)

11. Radio shall be constructed in a manner to allow normal usage by Police, Fire, Animal Control and emergency response personnel in their job performance. This may subject the radio to abuse, moisture, rain, heat, extreme cold, etc. and shall continue to operate normally. Physical layout of the radio shall be designed to allow normal operation with gloves, etc.

12. The radios must meet all applicable FCC regulations at the time of bid and delivery.

13. If a radio that is submitted for bid deviates from the below listed specifications, it must be stated with the bid when submitted.

14. If requested, a technical manual and radio must be available at no cost for inspection by the Chief Technician of the Ft. Wayne Communications Department. The radio should be similar to the model that is bid.

15. Delivery will be within 3 weeks of receipt of a purchase order. Delivery will be FOB destination.

2 yrs. 16. Warranty must be at least 90 days for labor and 1 year for parts. Local (City of Fort Wayne) service must be available for warranty work.

17. Replacement parts are to be available for at least 15 years.

18. Each shipment of radios shall include a printed manual for each 15 radios received.

19. The unit bid must be FCC approved and a current model presently in production.

<u>16 CHANNEL VHF RADIO TECHNICAL SPECIFICATIONS:</u>

1. The following minimum specifications must be met:

RECEIVER:

148-174

A. Frequency range is 146-162 mhz

Allen Varieties, County 164.6893

B. 12 db SINAD is .35 uv
C. 20 db quieting is .4
D. EIA 2 signal selectivity is -70 db
E. EIA intermodulation is -70 db
F. Image & Spurious rejection is -70 db
G. Minimum audio output of 500 mw @ less than 5% distortion.
H. Specifications shall be maintained over 16 mhz

TRANSMITTER:

A. Frequency range is 146 - 162 mhz
B. Minimum RF output power is 5 watts
C. Conducted spurious & harmonic no greater than -60 db
D. FM noise no greater than -45 db
E. Distortion not greater than 5%
F. Specifications shall be maintained over 16 mhz

2. The radio shall have a minimum of 16 channels available for programming of radio frequency pairs.

3. ID & Emergency shall be an option on this radio and be compatible with the existing decoders presently in operation in the Ft. Wayne Communication Dept.

6 CHANNEL VHF RADIO TECHNICAL SPECIFICATIONS:

1. The following minimum specifications must be met:

RECEIVER:

A. Frequency range is 146-162 mhz
B. 12 db sinad is .25 uv
C. 20 db quieting is .35 uv
D. EIA 2 signal selectivity is -70 db
E. EIA intermodulation is -70 db
F. Spurious rejection is -70 db
G. Image rejection is -65 db
H. Minimum audio output of 500 mw @ less than 5% distortion.
I. Specifications shall be maintained over 6 mhz

TRANSMITTER:

A. Frequency range is 146 - 162 mhz
B. Minimum RF output power is 5 watts

C. Conducted spurious & harmonic no greater than -60 db
D. FM noise no greater than -45 db
E. Distortion not greater than 5%
F. Specifications shall be maintained over 6 mhz

2. The radio shall have 6 channels available for programming of radio frequency pairs.

6 CHANNEL UHF TECHNICAL SPECIFICATIONS:

1. The following minimum specifications must be met:

RECEIVER:

A. Frequency range is 438 - 470 mhz
B. 12 db sinad is .35 uv
C. 20 db quieting is .50 uv
D. EIA 2 signal selectivity is -70 db
E. EIA intermodulation is -68 db
F. Spurious rejection is -70 db
G. Image rejection is -65 db
H Minimum audio output of 500 mw @ less than 5% distortion.
I. Specifications shall be maintained over 8 mhz

TRANSMITTER:

A. Frequency range is 438 - 470 mhz
B. Minimum RF output power is 4 watts
C. Conducted spurious & harmonic no greater than -53 db
D. FM noise no greater than -45 db
E. Distortion not greater than 5%
F. Specifications shall be maintained over 8 mhz

2. The radio shall have 6 channels available for programming of radio frequency pairs.

RADIO AND OPTIONS COSTS

16 CHANNEL VHF PORTABLE RADIO:

Radio with battery, antenna, programmed	$669.00
Speaker/Microphone with coiled cord & clip back ...	48.00
Spare battery (ea)	55.00
Spare battery (quanity)	45.00
Carrying case (leather - belt loop)	43.60
Carrying case (other - belt loop)	
16 hour desktop charger	24.00
1 or 3 hour desktop charger	56.00
Multiple unit charger .....(rapid.charge).	237.00
Vehicular charger (no audio or RF)	52.00
Vehicular charge pack (with 5 watt rx audio, palm microphone and rf & antenna connection)	187.20
ID & Emergency signalling	205.00
Programming software (5 1/4" disk)	10.00
Programming interface (PC-XT compatible)	70.00

Other and optional accessories:

Additional channel capabilities cost	
Speaker/Microphone with antenna	
14 channel radio with battery, antenna, programmed	605.00
Earphone	12.00
other accessories listed on	
Bendix King price pages enclosed	
.....	

RADIO AND OPTIONS COSTS

6 CHANNEL VHF PORTABLE RADIO:

Radio with battery, antenna, programmed	$480.00
Speaker/Microphone with coiled cord & clip back ...	64.00
Spare battery	59.00
Carrying case (leather - belt loop)	45.00
Carrying case (other - belt loop)	
16 hour desktop charger	20.00
1 or 3 hour desktop charger	55.00
Multiple unit charger	420.00
Vehicular charger (no audio or RF)	65.00
Vehicular charge pack (with 5 watt rx audio, palm microphone and rf & antenna connection)	459.00
Programming software (5 1/4" disk)	20.00
Programming interface (PC-XT compatible)	273.00

Other and optional accessories:

Additional channel capabilities cost	
3" Belt Clip	10.00
Urethane Carry Holder	15.00
Swivel Leather Case & Belt Loop	49.00
other prices for additional accessories.....	
enclosed on Motorola Radius price pages.....	
.....	

RADIO AND OPTIONS COSTS

6 CHANNEL UHF PORTABLE RADIO:

Radio with battery, antenna, programmed	$580.00
Speaker/Microphone with coiled cord & clip back ...	64.00
Spare battery	59.00
Carrying case (leather - belt loop)	45.00
Carrying case (other - belt loop)	
16 hour desktop charger	20.00
1 or 3 hour desktop charger	55.00
Multiple unit charger	420.00
Vehicular charger (no audio or RF)	65.00
Vehicular charge pack (with 5 watt rx audio, palm microphone and rf & antenna connection)	459.00
Programming software (5 1/4" disk)	20.00
Programming interface (PC-XT compatible)	273.00

Other and optional accessories:

Additional channel capabilities cost	
DTMF encoder	
all items the same as VHF, 6 ch. model	
_____	
_____	
_____	
_____	

Parkerson Electronics

KEEP YOUR BUSINESS IN TOUCH

2627 McDonald Street • Fort Wayne, Indiana 46803 • (219) 424-7366

City of Fort Wayne Bid #1552

16 channel VHF Portable Radio: Bendix King #MPH5142

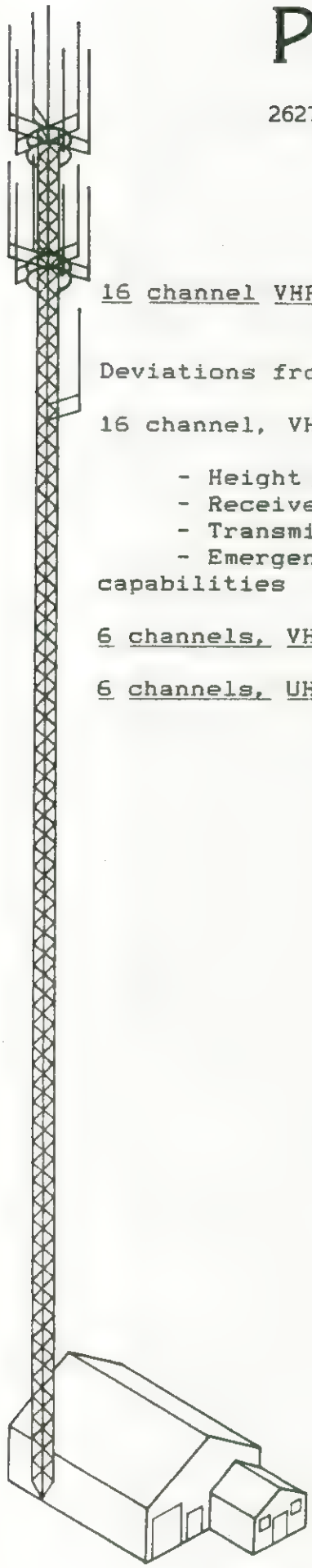
Deviations from Specifications:

16 channel, VHF, Portable Radio - MPH5142 by Bendix/King

- Height is 7.8 "
- Receiver Frequency Range is 148-174 MHz.
- Transmitter Frequency Range is 148-174 MHz.
- Emergency Automatic Channel Revert may limit other capabilities

6 channels, VHF Portable Radio: Motorola Radius P43RFC00B2 A

6 channels, UHF Portable Radio: Motorola Radius P44RFC00B2 A



BENDIX/KING ACCESSORIES

MOBILE COMMUNICATIONS DIVISION
2920 Haskell Avenue, Lawrence, Kansas 66046

VHF/UHF

ORDER ENTRY (Toll Free) 800-523-5955
Telephone 913-842-0402; FAX 913-841-0287

PRICE LIST - Effective April 15, 1990

FM PORTABLE RADIO ACCESSORIES

BATTERIES AND CHARGERS

LAA 0100	Standard Size Rechargeable NiCd Battery Pack	45.00
LAA 0105	Large Size Rechargeable NiCd Battery Pack	55.00
LAA 0106	Spare Alkaline Battery - Large Capacity (NOT FOR KX-99 USE)	19.80
LAA 0115	Battery Holder, Large Replaceable "AA" (NOT FOR KX-99 USE)	20.00
LAA 0121	High Performance Standard Size NiCd Battery Pack	45.00
LAA 0125	High Performance Large Size NiCd Battery Pack	70.00
LAA 0300	Fourteen Hour Desktop Trickle Charger, 120 VAC	30.00
LAA 0325	One Hour Dual Rate Desktop Charger, 120/240 VAC, CSA approved	70.00
LAA 0340	Fourteen Hour Vehicular Charger	65.00
LAA 0355	One Hour Dual Rate Vehicular Charger With Installation Kit LAA 0605	180.00
LAB 0356	One Hour Dual Rate Vehicular Charger System LAA 0350 Charger, LAA 0260 Speaker, LAA 0275 Mic, LAA 0605 Installation Kit	234.00
LAA 0375	Five Unit Multiple Charger, 14 Hr, 120/240 VAC, CSA Approved	189.00
LAA 0380	Five Unit Multiple Charger, 1 Hr rate, 120/240 VAC Wired for 120 VAC, CSA Approved	395.00
LAA 0605	Spare Installation Kit for Dual Rate Vehicular Charger	20.00

240 VOLT CHARGERS

LAA 0320	One Hour, Dual Rate Desktop Charger, 120/240 VAC Wired for 240 VAC	80.00
LAA 0370	Five Unit Multiple Charger, 1 Hr. Dual Rate 120/240 VAC Wired for 240 VAC	405.00

PRICE LIST - Effective April 15, 1990

FM PORTABLE RADIO ACCESSORIES CONT'D

ANTENNAS

LAA 0810	VHF Flexible 5", 148-174 MHz, standard threaded connector	10.00
LAA 0811	VHF Flexible 6", 148-174 MHz, BNC Connector	10.00
LAA 0812	BNC Connector	12.00
LAA 0813	VHF Flexible 18", 148-174 MHz, standard threaded connector	20.00
LAA 0817	VHF Flexible 18", 148-174 MHz, BNC Connector	20.00
LAA 0819	VHF Flexible 6", 136-160 MHz, standard threaded connector	10.00
LAA 0823	UHF Flexible 6", 450-512 MHz, standard threaded connector	10.00
LAA 0824	UHF Flexible 6", 450-512 MHz, BNC Connector	10.00
LAA 0828	UHF Flexible 2", 450-512 MHz, (used with LAA 0210 Mic)	10.00
LAA 0829	UHF Flexible 6", 403-460 MHz, standard threaded connector	10.00

SPEAKER MICROPHONE/EARPHONE

LAA 0205	Speaker Microphone w/coil cord and earphone connector	60.00
LAA 0210	UHF Speaker Microphone w/standard threaded antenna connector	75.00
LAA 0220	Earphone	15.00
LAA 0260	External Speaker w/mounting bracket	25.00
LAA 0275	Mobile Microphone, Heavy Duty w/hang/up clip	29.00
LAA 0280	DTMF Microphone w/hang up clip	49.00
LAB 0228	Speaker Microphone w/stubby UHF antenna, includes LAA 0210 Mic, LAA 0828 Antenna	85.00

CARRYING ACCESSORIES

LAA 0400	Belt Clip	10.00
LAA 0404	Spare Belt Loop, Rivet Type	6.50
LAA 0405	Swivel Clip Kit	10.00
LAB 0406	Belt Loop Swivel and Clip Kit, includes LAA 0405 and 0424	21.50
LAA 0411	Full Cover for Leather Holsters, fits LAB 0431, 0426 and 0436.	8.00
LAA 0413	Shoulder Strap for Holster	12.00

PRICE LIST - Effective April 15, 1990

FM PORTABLE RADIO ACCESSORIES CONT'D

CARRYING ACCESSORIES (CONT'D)

LAA 0423	T-Strap for Leather Holsters, fits LAB 0431, 0426 and 0436.	8.00
LAA 0424	Spare Belt Loop Locking Snap	11.50
LAB 0426	Deluxe Leather Holster* w/window, belt loop and swivel, includes LAA 0425 Holster, LAA 0424 Belt Loop	46.50
LAB 0431	Deluxe Leather Holster** w/belt loop and swivel, includes LAA 0430 Holster, LAA 0424 Belt Loop	41.50
LAB 0436	Deluxe Leather Holster* w/belt loop and swivel, includes LAA 0435 Holster, LAA 0424 Belt Loop	46.50
LAA 0440	LCD Viewing Window and Keyboard Cover	5.00

* Fits Large Size Batteries ** Fits Standard Size Batteries

PROGRAMMING/SIGNALLING & SERVICE ACCESSORIES

LAA 0001	Service Manual, LPH Series	15.00
LAA 0006	Service Manual, LPU Series	15.00
LAA 0007	Service Manual, Chargers	10.00
LAA 0510	DTMF Encoder Kit	68.00
LAA 0512	DTMF Encoder/Two-Tone Decoder Kit	199.00
LAA 0526	28-Ch., 12.5 KHz Module for LPI (LAA 0606 Install Kit Recommended)	75.00
LAA 0527	28-Ch., 5 KHz Module for L/MPH (LAA 0606 Install Kit Recommended)	75.00
LAA 0528	28-Ch., 12.5 KHz Module for L/MPH (LAA 0606 Install Kit Recommended)	75.00
LAA 0600	Portable Radio Tool Kit (Ant. & Spanner Wrench, Cables, Bat. Eliminator)	65.00
LAA 0601	Accessory Connector w/6-pin plug	15.00
LAA 0602	Accessory Connector w/6-pin plug and audio plug	15.00
LAA 0603	Accessory Connector w/6-pin, audio and RF plugs	15.00
LAA 0606	28 Channel Option Installation Hardware Kit	10.00
LAA 0608	Test Cable for UHF Portable	50.00
LAA 0700	Cloning/Programming Cable w/manual	55.00
LAA 0701	Programming Plug w/manual	20.00
LAA 0705	RS232 Interface w/manual	70.00

BENDIX/KING

STATEMENT OF PARTS CERTIFICATION

Bendix/King, Mobile Communications Division, maintains a complete factory parts depot located at 2920 Haskell Avenue in Lawrence, Kansas (800-733-2633). Assistance and response to customer inquiries regarding parts is available Monday through Friday, from 8:00 a.m. to 5:00 p.m. Parts availability for products currently manufactured shall normally be available for a minimum period of ten (10) years following delivery of the Bendix/King manufactured equipment. Should Bendix/King choose to discontinue any product or parts item manufactured, Bendix/King will supply similar and functionally equivalent products and parts items, as required, for a period that is consistent with the durational life of the equipment. However, Bendix/King cannot assume responsibility to provide specific products or parts items which are not subject to Bendix/King's control. Bendix/King will ensure that every effort will be undertaken, in these instances, to procure and supply compatible products and parts items in the event that a particular or obsolete item is no longer available.

BENDIX/KING
STATEMENT OF LIMITED WARRANTY

BENDIX/KING Mobile Communications Division ("Warrantor") warrants to the purchaser of new radio equipment of the Warrantor's manufacture that such equipment shall be free from defects in material and workmanship for a period of two years from the date of the purchase of the equipment; batteries, antennas and accessories are warranted for a period of one year. Equipment and accessory items not manufactured by the Warrantor, other than items contained in Warrantor's published price list, carry the standard warranty of the manufacturer thereof.

This Warranty does not cover equipment which has been (a) damaged or not maintained as reasonable and necessary, (b) modified in any way, (c) improperly installed, (d) repaired by someone other than the Warrantor or an Authorized Warranty Repair Station, or (e) used in a manner or purpose for which the equipment was not intended. This Warranty shall not extend to incidental or consequential damages arising from the operation of the equipment or from any claimed breach of this warranty.

To obtain warranty repair, the customer must return the equipment, properly packaged, freight prepaid, to Warrantor or any Authorized Warranty Repair Station. The equipment will be returned freight prepaid.

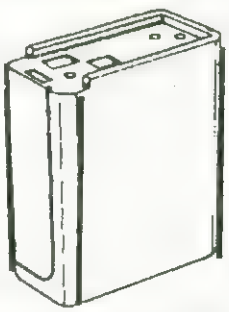
This warranty is the only warranty with respect to the equipment and is expressly in lieu of all other warranties, expressed or implied. Warrantor hereby DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. No person, whether in the employ of Warrantor or not, is authorized to make oral or other modifications, extensions, or additions to this warranty, unless approved in writing by an authorized officer of the Warrantor at its home office.

The liability of Warrantor is expressly limited to the repair or replacement of the equipment as described herein. Warrantor shall not be liable to the purchaser and the purchaser shall, upon his tender of the purchase price for the equipment, agree that Warrantor shall not be liable, in any respect, for the equipment or damages caused thereby, except as prescribed herein, whether such liability is predicated upon negligence, tort, contract, or other product liability theory.

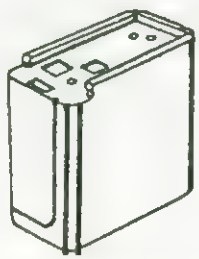
**** *Effective on all equipment purchases after April 1, 1990* ****

RADIUS P200 PORTABLE
OPTIONS & ACCESSORIES

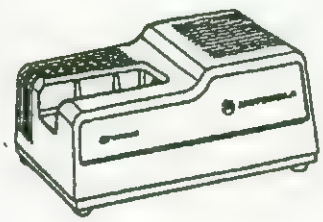
MODEL NUMBER	DESCRIPTION	SUGG. LIST
FACTORY MUTUAL -		
Equipment approved by Factory Mutual as Intrinsically Safe and/or Non-Incendive are generally accepted by code enforcing authorities for use in hazardous locations. Intrinsically safe equipment is suitable for Division 1 & 2 locations. Non-Incendive equipment is only suitable for Division 2 locations. Hazardous locations are defined in Article 500 for the National Electrical Code (NEC) available from the National Fire Protection Association as NFPA/70.		
Options:		
H437	Rapid Rate Charger (omits compact charger)	$39.00
H224	Medium Capacity Rapid Rate Battery (omits standard battery) (recommended for use with Low Power Models only)	$0.00
H753	Medium Capacity FM Intrinsically Safe Battery (recommended for use with Low Power models only)	$45.00
H757	High Capacity FM Non-Incendive Battery	$0.00
H236	High Capacity FM Intrinsically Safe Battery	$65.00
H297	DTMF Standard Tone Encoder and Keypad	$95.00
H713	DTMF Constant Tone Encoder and Keypad	$72.00
H743	DTMF Standard Tone Encoder and Keypad with A.N.I. (Automatic Number Identification)	$95.00
H951	Omit Compact Charger (NTN5540)	-$10.00
H301	Omit 3" Belt Clip (NTN5533)	-$4.00
Batteries & Chargers:		
NTN5531	Medium Capacity Rapid Rate Battery (recommended for use with Low Power Models Only)	$73.00
NTN5561	Medium Capacity FM Intrinsically Safe Battery (recommended for use with Low Power models only)	$95.00
NTN5521	High Capacity Rapid Rate Battery	$83.00
NTN5545	High Capacity FM Intrinsically Safe Battery	$115.00
NTN5570	Primary Alkaline Battery (1700 mAH)	$9.00
NTN5538	Single Unit Rapid Charger	$65.00
NTN5536	Six Unit Rapid Rate Charger	$490.00
NTN5540	Compact Charger	$25.00
NTN5244	Wall Mount for Six Unit Charger	$19.00
NTN5245	Rack Mount for Six Unit Charger	$24.00



High Capacity Rapid Rate Battery, Height 3.36"
NTN5521



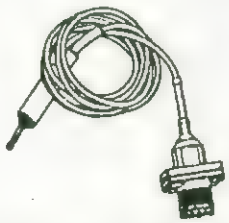
Medium Capacity Rapid Rate Battery, Height 2.45"
NTN5531



Single Unit Rapid Charger
NTN5538

RADIUS P200 PORTABLE
ACCESSORIES

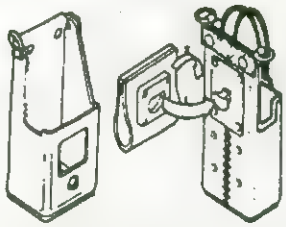
MODEL NUMBER	DESCRIPTION	SUGG. LIST
Antennas:		
NAB6061	LowBand Heliflex Antenna 30 - 36 MHz	$32.00
NAB6062	LowBand Heliflex Antenna 36 - 42 MHz	$32.00
NAB6063	LowBand Heliflex Antenna 42 - 50 MHz	$32.00
NAD6541	VHF Heliflex Antenna 136-150.8 MHz	$10.00
NAD6542	VHF Heliflex Antenna 150.8-162 MHz	$10.00
NAD6543	VHF Heliflex Antenna 162-174 MHz	$10.00
NAE6500	UHF Whip Antenna 400-520 MHz	$12.00
NAE6521	UHF Heliflex Antenna 403-433 MHz (Stubby)	$10.00
NAE6522	UHF Heliflex Antenna 438-470 MHz (Stubby)	$10.00
NAE6523	UHF Heliflex Antenna 470-520 MHz (Stubby)	$10.00
NAE6511	Speaker Microphone Antenna 403-433 MHz (Public Safety)	$17.00
NAE6512	Speaker Microphone Antenna 438-470 MHz (Public Safety)	$16.00
NAE6513	Speaker Microphone Antenna 470-520 MHz (Public Safety)	$16.00
NTN5632	Remote Antenna RF Adapter (Use w/NKN6419 Mobile Ant. Cable)	$11.00
NKN6419	Mobile Antenna Cable and Connector (allows remote antenna adapter to interface with UHF connector (SO239), use with the Remote Antenna RF Adapter - NTN5632)	$11.00
Carrying Accessories:		
The large leather carry cases ship with a spacer for use with the Medium Capacity Battery.		
NTN5547	Urethane Carry Holder	$22.00
NTN5550	Large Leather Carry Case with Belt Loop	$51.00
NTN5551	Large Leather Carry Case with Swivel	$57.00
NTN5552	Large Leather Carry Case with DTMF Access (Swivel only)	$57.00



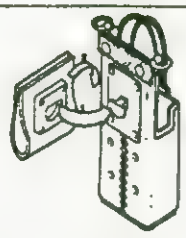
Mobile Antenna Cable & Connector NKN6419

Remote Antenna RF Adapter NTN5632

Urethane Carry Holder NTN5547



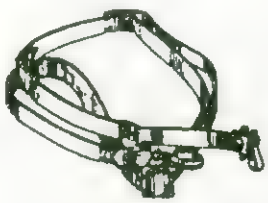
Large Leather Carry Case with Swivel and front DTMF Access NTN5552



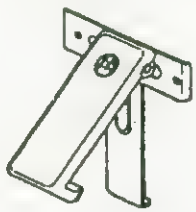
Large Leather Carry Case with Swivel NTN5551

RADIUS P200 PORTABLE
ACCESSORIES

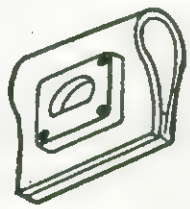
MODEL NUMBER	DESCRIPTION	SUGG. LIST
Carrying Accessories Continued:		
NTN5808	Replacement Nylon Strap for Large Carry Cases with Snap	$9.00
NTN5888	Replacement Nylon Strap for Urethane Carry Holder with Snap	$5.00
NTN5582	Carry Case Spacer for use with Medium Capacity Battery in a Large Carry Case	$1.00
NTN5593	Carry Case Strap (Wrist)	$20.00
NTN5243	Carry Case Strap - Shoulder Strap (only comp. with Leather Carry Cases)	$17.00
NTN5542	Belt Clip 2 "	$10.00
NTN5533	Belt Clip 3 "	$10.00
NTN5629	Swivel Belt Loop 3 "	$8.00
NTN5546	Velcro Patch Pin Attachment (For use with Public Safety Remote Speaker Mic - NTN5559, page 17)	$6.00
Audio & Signalling Accessories:		
NSN6056	Lapel Speaker (Requires NTN5557 Earphone Jack Adapter, page 16) and 58-80378B84 (3.5mm adapter), available through Motorola Communications Parts Division 1-800-422-4210.	$25.00
NSN6057	Earpiece without Volume Control - If using the earpiece alone without the NMN6168 microphone, the earpiece does require adapters- NTN5557 Earphone Jack Adapter, page 17 & 58-80378B84 (3.5mm adapter), available through Motorola Communications Parts Division.	$26.00
NMN6168	Surveillance Speaker Microphone with Earpiece Jack (if an earpiece is needed, use NSN6057 - Earpiece without Volume Control)	$83.00



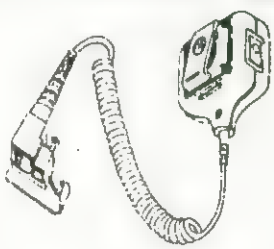
Carry Case Strap (Shoulder Strap) NTN5243



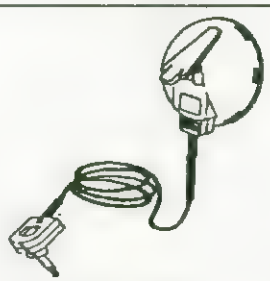
3" Belt Clip NTN5533



Swivel Belt Loop 3" NTN5629



Surveillance Spkr.Mic. w/Earpiece Jack NMN6168



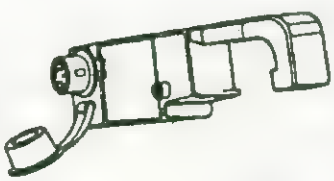
Lapel Speaker NSN6056

Earpiece without Volume Control NSN6057

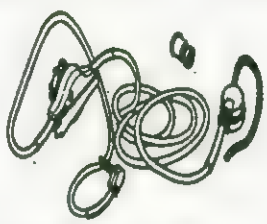
Audio & Signalling Accessories continued on the next page.

RADIUS P200 PORTABLE
ACCESSORIES

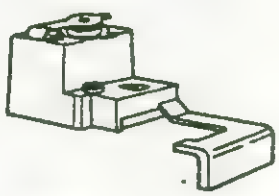
MODEL NUMBER	DESCRIPTION	SUGG. LIST
Audio & Signalling Accessories Continued:		
NMN6167	Surveillance Microphone, PTT and Earpiece (Requires the NTN5560 - Hirose Universal Adapter)	$245.00
NTN5560	Hirose Universal Adapter (Connection to NMN6167 - Surveillance Microphone)	$20.00
NMN6153	Standard Remote Speaker Microphone	$80.00
NTN5558	Earpiece with Volume Control (req. NTN5557-Earphone Jack Adptr.)	$33.00
NTN5557	Earphone Jack Adapter	$11.00
NTN5559	Public Safety Remote Speaker Microphone - UHF MODELS ONLY require antenna NAE6511, NAE6512 or NAE6513 and NTN5546 - Velcro Patch Pin Attachment, page 16.	$103.00
RL-70594000	Rubber Ear Inserts - Package of 25 Order through Motorola Communications Parts Division 1-800-422-4210	
Add-On Retrofit Kits:		
NTN5553	DTMF Constant Tone Retrofit Kit - VHF/UHF Models Only	$72.00
NTN5941	DTMF Constant Tone Retrofit Kit - LowBand Models Only	$72.00
NTN5554	DTMF Standard Tone Retrofit Kit - VHF/UHF Models Only	$95.00
NTN5939	DTMF Standard Tone Retrofit Kit - LowBand Models Only	$95.00
NTN5555	DTMF Automatic Number Identification Retrofit Kit (ANI)-VHF/UHF Only	$95.00
NTN5940	DTMF Automatic Number Identification Retrofit Kit (ANI)-LowBand Only	$95.00
Service Related Accessories:		
6881085E55	Service Manual (LOWBAND)	$5.00
6881059C25	Service Manual (VHF)	$5.00
6881059C30	Service Manual (UHF)	$5.00



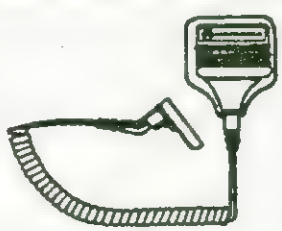
Hirose Universal Adapter
NTN5560



Earpiece with Volume
Control NTN5558

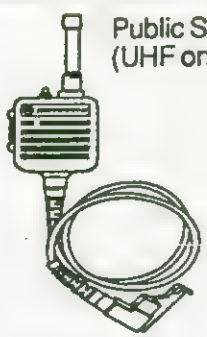


Earphone Jack Adapter
NTN5557



Standard Remote
Speaker Mic. NMN6153

Surveillance Speaker
PTT & Earpiece
NMN6167



Public Safety Spkr. Mic.
(UHF only) NTN5559

LIMITED WARRANTY
RADIUS COMMUNICATION PRODUCTS

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA, INCORPORATED ("MOTOROLA") warrants its MOTOROLA manufactured Radius Communications Products ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as described below:

Mobile and Handheld Radios	two (2) years
Repeaters	one (1) year
Chargers	two (2) years
Rechargeable Batteries	one (1) year
Other Accessories	120 days

Rechargeable Batteries will be replaced during the applicable warranty period if:

a) the battery capacity falls below 80% of rated capacity.
b) the battery develops leakage.

MOTOROLA, at its option, will at no charge either repair, replace, or refund the purchase price of this Product during the warranty period provided it is returned in accordance with the terms of this warranty to the place of purchase. Repair, at MOTOROLA's option, may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts or Product shall become the property of MOTOROLA.

This express limited warranty is extended by MOTOROLA to the original end user purchaser or lessee only and is not assignable or transferrable to any other party. This is the complete warranty for Radius Communication Products manufactured by MOTOROLA. MOTOROLA assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA. Unless made in a separate agreement between MOTOROLA and the original end user purchaser, MOTOROLA does not warrant the installation, maintenance, or service of the product.

MOTOROLA cannot be responsible in any way for any ancillary equipment not furnished by MOTOROLA which is attached to or used in connection with MOTOROLA's Radius Communication Products, or for operation of the Product with any ancillary equipment and all such equipment is expressly excluded from this warranty. Because each Product system is unique, MOTOROLA disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

This warranty applies within the fifty (50) United States and the District of Columbia.

II. WHAT THIS WARRANTY DOES NOT COVER:

a) Defects or damage resulting from use of the Product in other than its normal and customary manner.

b) Defects or damage from misuse, accident, or neglect.

c) Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.

d) Breakage or damage to antennas unless caused directly by defects in material workmanship.

e) Product disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

f) Product which has had the serial number removed or made illegible.

g) Rechargeable batteries if:

i) any of the seals on the battery enclosure of cells are broken or show evidence of tampering.

ii) the damage or defect is caused by charging or using the battery in equipment or service other than the Radius Communication Product for which it is specified.

III. HOW TO GET WARRANTY SERVICE:

To receive warranty service, deliver or send the Product, transportation and insurance prepaid, to the place of purchase along with your proof of purchase or lease and transceiver serial number. Alternatively, call 1-800-356-1520 for other locations.

IV. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA's responsibilities regarding the Product. Repair, replacement, or refund of the purchase price, at MOTOROLA's option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE RADIUS COMMUNICATION PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

V. PATENT AND SOFTWARE PROVISIONS:

MOTOROLA will defend at its own expense any suit brought against the end user purchaser to the extent that it is based on a claim that the Radius Communication Product or parts infringes a United States patent, and MOTOROLA will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

i) that MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim.

ii) that MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise.

iii) should the Radius Communication Product or parts become, or in MOTOROLA's opinion be likely to become, the subject of a claim of infringement of a United States patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Radius Communication Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Radius Communication Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Radius Communication Product or parts as established by MOTOROLA.

MOTOROLA will have no liability with respect to any claim of patent infringement which is based upon the combination of the Radius Communication Products or parts furnished hereunder with software, apparatus or devices not furnished by MOTOROLA, nor will MOTOROLA have any liability for the use of ancillary equipment or software not furnished by MOTOROLA which is attached to or used in connection with the Radius Communication Product. The foregoing states the entire liability of MOTOROLA with respect to infringement of patents by the Radius Communication Product or any parts thereof.

Laws in the United States and other countries preserve for MOTOROLA certain exclusive rights for copyrighted MOTOROLA software such as the exclusive rights to reproduce in copies and distribute copies of such MOTOROLA software. MOTOROLA software may be copied into, used in and redistributed with only the Radius Communication Products associated with such MOTOROLA software. No other use, including without limitation disassembly, of such MOTOROLA software or exercise of exclusive rights in such MOTOROLA software is permitted. No license is granted by implication, estoppel or otherwise under the patent rights of MOTOROLA or third-party.

IV. STATE LAW RIGHTS:

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS. SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights which may vary from state to state.

Read the first time in full and on motion by Gia Quinta seconded by Redd, and duly adopted, read the second time title and referred to the Committee on Finance (and th City Plan Commission for recommendation) and Public Hearing to be held aft due legal notice, at the Council Conference Room 128, City-County Building Fort Wayne, Indiana, on _____, the _____, d of _____, 19____, at _____ o'clock _____ .M.,E.S

DATED: 2-26-91.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Read the third time in full and on motion by Gia Quinta seconded by Redd, and duly adopted, placed on its passage. PASSED ~~LOST~~ by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT
TOTAL VOTES	8			1
BRADBURY	✓			
BURNS	✓			
EDMONDS				✓
GiaQUINTA	✓			
HENRY	✓			
LONG	✓			
REDD	✓			
SCHMIDT	✓			
TALARICO	✓			

DATED: 3-12-91.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as ~~(ANNEXATION)~~ ~~(APPROPRIATION)~~ ~~(GENERAL)~~ (SPECIAL) ~~(ZONING MAP)~~ ORDINANCE RESOLUTION NO. S-57-91. on the 12th day of March, 1991.

ATTEST

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

SEAL

Samuel J. Talarico
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 13th day of March, 1991 at the hour of 1:30 o'clock P.M.,E.S.T.

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Approved and signed by me this 18th day of March 1991, at the hour of 8:45 o'clock A.M.,E.S.T.

P. Helmke
PAUL HELMKE, MAYOR

DIGEST SHEET

S-91-02-29

TITLE OF ORDINANCE: Special

DEPARTMENT REQUESTING ORDINANCE: Purchasing

SYNOPSIS OF ORDINANCE: An ordinance approving the award of Ref. No. 1552 for the purchase of portable radios for the City of Fort Wayne through the Communications Department for 1991. The cost reflects the lowest most responsive of four (4) vendors.

IF NOT LOWEST, WHO WAS AND WHY WERE THEY NOT AWARDED:

EFFECT OF PASSAGE: Replacement and additional radios for the Public Safety Departments. Approximately 45 to 55 radios depending on options and accessories required. Miscellaneous radios for use by the City Departments (6 channel radios) approximately 45 radios for individual departments.

IF REPLACEMENT, WHAT NECESSITATES:
Lack of replacement parts. Wear and tear to 18 to 12 year old radios that prevent repairs.

EFFECT OF NON-PASSAGE: Police Department officers will not have portable radios. City departments will not have contact with office personnel or other personnel working on the same or similiar projects.

PRIOR APPROVAL REQUESTED:

MONIES INVOLVED: Motorola C&E $72,000.00 +/-
Parkerson Elect $25,000.00 +/-

PRICE AGREEMENT: Yes

PURCHASE ORDER:

ACCOUNT INFORMATION: Various Dept's

PRIOR APPROVAL: DATE:
(IF APPLICABLE)

BILL NO. S-91-02-29

REPORT OF THE COMMITTEE ON FINANCE

MARK E. GiaQUINTA, CHAIRMAN
DONALD J. SCHMIDT, VICE CHAIRMAN
BRADBURY, REDD, BURNS

WE, YOUR COMMITTEE ON FINANCE TO WHOM WAS

REFERRED AN (ORDINANCE) (~~RESOLUTION~~) approving the awarding of Reference #1552 by the City of Fort Wayne, Indiana, by and through its Department of Purchasing and MOTOROLA C&E, INC. AND PARKERSON ELECTRONICS INC. for the Communications Department

HAVE HAD SAID (ORDINANCE) (~~RESOLUTION~~) UNDER CONSIDERATION AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID (ORDINANCE) (~~RESOLUTION~~)

DO PASS	DO NOT PASS	ABSTAIN	NO REC
Mark E. GiaQuinta			
J. Bradbury			
Tom Burns			
D. Schmidt			
Mark Redd			

DATED: 3-12-91.

Sandra E. Kennedy
City Clerk